

# **ELASTIC CUSHION**

## **BACKGROUND OF THE INVENTION**

### **1. Field of Invention**

The present invention relates to a cushion, and more particularly to an elastic cushion that can easily let air through.

### **2. Description of the Related Art**

With reference to Fig. 5, a conventional cushion has a cover (60) and a soft stuffing inside. When a user sits on the conventional cushion, it can provide a comfortable feeling and a buffering effect. The soft stuffing can be made of foam (65). However, using the foam (65) as the soft filling has the following disadvantages:

1. Although the foam (65) has many small chambers formed inside, those small chambers are too small and do not easily let air through. When sitting on the conventional cushion with the foam (65) inside, a user soon feels a stickiness between the buttocks and the cushion because of the lack of through-flow air.

2. The foam (65) can not provide a long useful life, because it is easily oxidized by the air and becomes brittle after long term use.

Because of the above disadvantages of the conventional cushion in Fig. 5, another type of cushion has been designed. With reference to Fig. 6, another type of cushion has the cover (60), two resin bodies (70) and a plant cellulose layer (75). The resin bodies (70) are received inside the cover (60) and the plant cellulose layer (75) is mounted between the resin bodies (70). However, the sticky feeling a user feels is still not solved.

To overcome the shortcomings, cushions that can provide long-term

1 comfort is still needed, and a cushion in accordance with the present invention  
2 obviates or mitigates the aforementioned problems.

### 3 SUMMARY OF THE INVENTION

4 The primary objective of the present invention is to provide an elastic  
5 cushion that has a cover and an elastic body received inside the cover. The elastic  
6 body is made of multiple elastic folded tubes and has multiple gaps inside.

7 Because of the gaps formed inside the elastic body, air can easily pass through the  
8 cushion, and the elastic cushion can provide a non-sticky sitting feeling to a user.

9 Other objectives, advantages and novel features of the invention will  
10 become more apparent from the following detailed description when taken in  
11 conjunction with the accompanying drawings.

### 12 BRIEF DESCRIPTION OF THE DRAWINGS

13 Fig. 1 is a perspective view of an elastic cushion with a partial cover in  
14 accordance with the present invention;

15 Fig. 2 is a perspective view of elastic tubes inside the cushion in Fig. 1;

16 Fig. 3 is a side plan view of the elastic cushion in Fig. 1 with the cover  
17 removed;

18 Fig. 4 is a side plan view of the elastic cushion with an arcuate top surface;

19 Fig. 5 is a perspective view of a conventional cushion in accordance with  
20 the prior art; and

21 Fig. 6 is a perspective view of another conventional cushion in accordance  
22 with the prior art.

### 23 DETAILED DESCRIPTION OF THE INVENTION

24 With reference to Fig. 1 to Fig. 3, an elastic cushion in accordance with

1 the present invention comprises a cover (35) and an elastic body (30).

2 The cover (35) may be made from cloth and has a cavity (not numbered)  
3 formed inside. The cover (35) is air permeable and easily lets air through.

4 The elastic body (30) is received inside the cover (30) and has a top  
5 surface (31), a rear surface (32), an inner portion (33) and multiple elastic tubes  
6 (10), such as plastic tubes. Each elastic tube (10) is made of a stable material that  
7 is not easily oxidized and has a hollow center (11). The elastic tubes (10) are  
8 randomly folded to form a square, a cylinder, and so on. Such kind of folded  
9 elastic tubes (10) provides a comfortable feeling when sitting on it, so the folded  
10 elastic tubes (10) can be used as a soft stuffing inside the cushion. The folded  
11 tubes (10) are melted at the folded point, so that the elastic tubes (10) can be  
12 formed as many random weld portions (20) and gaps (22). The hollow centers (11)  
13 of the elastic tubes at the weld portion (20) are communicated with each other.  
14 Furthermore, the top surface (31) and the rear surface (32) of the elastic body (30)  
15 may be folded by a high density of the elastic tubes (10), and the inner portion (33)  
16 of the elastic body (30) may be folded by a low density of the elastic tubes (10).  
17 Because the cover (35) easily lets air through and the elastic body (30) has many  
18 gaps (22), the cushion can allow air to enter and leave.

19 With reference to Fig. 4, to make the elastic cushion in accordance with  
20 the present invention a comfortable seat, the top surface of the elastic body (30)  
21 may be formed as an arcuate top surface.

22 The elastic cushion in accordance with the present invention has the  
23 following advantages:

24 1. The elastic body (30) is made of the elastic tubes (10) with hollow

1 centers (11) and the gaps (22) inside the elastic body (30), so that the air can easily  
2 enter and leave the elastic body (30). When sitting on the elastic cushion with the  
3 elastic body (30) received inside the cover (30), a user will not feel sticky because  
4 of the free flow of air between the buttocks and the elastic cushion.

5 2. Because the elastic body (30) is made of the elastic tubes (10) and the  
6 material of the elastic tubes (10) is stable and not easily oxidized, the elastic  
7 cushion can provide a long useful life.

8 The invention may be varied in many ways by a person skilled in the art.  
9 Such variations are not to be regarded as a departure from the spirit and scope of  
10 the invention, and all such modifications are intended to be included within the  
11 scope of the following claims.